



AGENDA
RIO DELL CITY COUNCIL
"VIRTUAL" SPECIAL MEETING
MONDAY, MARCH 8, 2021– 4:00 P.M.
CITY COUNCIL CHAMBERS
675 WILDWOOD AVENUE

***WELCOME . . .** Copies of this agenda, staff reports and other material available to the City Council are available at the City Clerk's office in City Hall, 675 Wildwood Avenue. Your City Government welcomes your interest and hopes you will attend and participate in Rio Dell City Council meetings often.*

**SPECIAL PUBLIC HEALTH EMERGENCY ALTERATIONS TO MEETING FORMAT
CORONAVIRUS (COVID-19)**

Due to the unprecedented public health threats posed by COVID-19 and the resultant need for social distancing, changes to the City Council meeting format are required. Executive Order N-25-20 and N-29-20 from Governor Gavin Newsom allow for telephonic Council meetings of the City Council and waives in-person accessibility for Council meetings, provided that there are other means for the public to participate. Therefore, and effective immediately and continuing only during the period in which state or local public health officials have imposed or recommended social distancing measures, the Rio Dell City Council will only be viewable via livestreaming through our partners at Access Humboldt via their YouTube channel or Suddenlink channels on Cable TV.

Public Comment by Email:

In balancing the health risks associated with COVID-19 and need to conduct government in an open and transparent manner, public comment on agenda items can be submitted via email at publiccomment@cityofriodell.ca.gov. Please note the agenda item the comment is directed to and email no later than one hour prior to the start of the Council meeting. Your comments will be read out loud, for up to three minutes.

Zoom Public Comment:

When the Mayor announces the agenda item that you wish to comment on, call the conference line and turn off your TV or live stream. Please call the toll-free number **1-888-475-4499**, enter meeting ID **987 154 0944** and press star (*) 9 on your phone – this will raise your hand. You will continue to hear the meeting on the call. When it is time for public comment on the item you wish to speak on, the Clerk will unmute your phone. You will hear a prompt that will indicate your phone is unmuted. Please state your name and begin your comment. You will have three minutes to comment.

A. CALL TO ORDER

B. ROLL CALL

C. PUBLIC PRESENTATIONS

This time is for persons who wish to address the Council on any matter not on this agenda and over which the Council has jurisdiction. As such, a dialogue with the Council or staff is not intended. Items requiring Council action not listed on this agenda may be placed on the next regular agenda for consideration if the Council directs, unless a finding is made by at least 2/3rds of the Council that the item came up after the agenda was posted and is of an urgency nature requiring immediate action.

Due to the COVID-19 situation public comment must be submitted via email at publiccomment@cityofriodell.ca.gov no later than one hour prior to the start of the meeting.

D. SPECIAL MEETING MATTERS

- 1) 2021/0308.01 - Approve Resolution No. 1482-2021 Adopting the Plans and Specifications for the 2021 Rio Dell Road Improvement Project **(ACTION)** 1

E. ADJOURNMENT



In compliance with the American with Disabilities Act, if you need special assistance to participate in this meeting, please contact the Office of the City Clerk at (707) 764-3532. Notification 48 hours prior to the meeting will enable the City to make reasonable arrangements to assure accessibility to the meeting.

*The next Regular City Council meeting is scheduled for
Tuesday, March 16, 2021 at 6:30 p.m.*



*Rio Dell City Hall
675 Wildwood Avenue
Rio Dell, CA 95562
(707) 764-3532
cityofriodell.ca.gov*

March 8, 2021

TO: Rio Dell City Council

FROM: Kyle Knopp, City Manager 

SUBJECT: Approval of Resolution No. 1482-2021 Adopting the Plans and Specifications for the 2021 Rio Dell Road Improvements Project.

IT IS RECOMMENDED THAT THE CITY COUNCIL:

Approve Resolution No. 1482-2021

BACKGROUND AND DISCUSSION

California Public Contract Code (PCC) requires the City Council, or their designee, to formally adopt the Plans and Specifications for public works projects over \$200,000. While discussion of the project has come before the Council in the past, this item is the formal adoption of the Plans and Specifications in order to meet California PCC.

If approved, staff will finalize the bid package and issue as soon as possible.

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**RESOLUTION NO. 1482-2021
A RESOLUTION OF THE CITY COUNCIL
OF THE CITY OF RIO DELL
ADOPTING THE PLANS AND SPECIFICATIONS
FOR THE 2021 RIO DELL ROAD IMPROVEMENTS PROJECT**

WHEREAS, the City Council of the City of Rio Dell has identified street improvement work as one of its highest priorities for 2021; and

WHEREAS, the City of Rio Dell has developed the project entitled “2021 Rio Dell Road Improvements Project”; and

WHEREAS, the City is obligated to under law to meet California Public Contract Code PCC § 22039 adopting plans and specifications that exceed the amount specified in subdivision (c) of Section 22032; and,

WHEREAS, the City of Rio Dell estimates the cost of the “2021 Rio Dell Road Improvements Project” to exceed \$200,000.

NOW THEREFORE BE IT RESOLVED, that the City of Rio Dell City Council does hereby adopt the attached Plan and Specifications for the “2021 Rio Dell Road Improvements Project” and authorizes staff to seek bids for construction.

PASSED AND ADOPTED by the City of Rio Dell on this 8th day of January 2021.

Ayes:
Noes:
Abstain:
Absent:

Debra Garnes, Mayor

ATTEST:

Karen Dunham, City Clerk

TECHNICAL SPECIFICATIONS
Special Provisions to the
Caltrans Standard Specifications, 2018

1.0 PRESERVATION OF PROPERTY

General

Attention is directed to the provisions in Section 5-1.36 "Property and Facility Preservation", of the Standard Specifications, and these Special Provisions.

The Contractor shall make a thorough investigation of the job site and size equipment accordingly. The Contractor shall select equipment to avoid damaging existing facilities, which include, but are not limited to: street paving, pipes, traffic controls, sidewalks, driveways, plants and trees, landscaping, curbs and gutters, retaining walls, drainage facilities, fencing etc. The Contractor shall restore any damage to the existing facilities to the satisfaction of the City or owner. Restoration costs shall be the sole responsibility of the Contractor and shall be at no cost to the City or Owner.

Measurement and Payment

Full compensation for complying with the above provisions shall be considered as included in the contract price for the various bid items and no separate payment will be made.

2.0 TEMPORARY TRAFFIC CONTROL

General

The Contractor shall provide temporary traffic control in accordance to the current California Manual on Uniform Traffic Control Devices (MUTCD). Contractor shall furnish, erect, maintain and remove all necessary temporary traffic control signs and devices, and shall provide all necessary labor during the length of this contract.

The applicable sections of Section 7-1.03 "Public Convenience", Section 7-1.04 "Public Safety", and Section 12, "Temporary Traffic Control", and Section 12-1.03 "Flagging Costs" regarding flagging costs are further revised to provide that all flaggers shall be provided by the Contractor at his expense. Flaggers shall be properly equipped and trained in accordance with "Instructions to Flaggers," published by the California Department of Transportation. Flaggers are expected to be required for the project.

The Contractor is responsible for developing and submitting to the City of Rio Dell a Traffic Control Plan for review and approval prior to commencement of construction activity.

Materials

Portable construction area signs shall comply Section 12-3.11B(1) and 12-3.11B(3) of the Standard Specifications.

Construction

Maintaining Traffic

Public traffic shall be maintained on public roadways adjacent to the work, except during short temporary delays (5 minutes per hour maximum closure) when proper signage and flagmen are provided as necessary to complete the work. Any road closures shall be approved in advance by the Engineer.

Contractor shall expedite the passage of public and private traffic through and around the work except as specified above. The Contractor shall furnish and install signs, detours, lights, flares, barricades, and shall furnish flagmen and other facilities for the convenience and direction of public traffic.

The contractor is responsible for site security and safety throughout the project and shall maintain appropriate barricades and other features as needed to protect the work site and public safety.

All temporary signs and warning devices, including warning signs placed beyond the limit of work, shall be provided by the Contractor and shall become the Contractors property after completion of the contract.

During the contract period, the Contractor shall coordinate their activities regularly with the City of Rio Dell and make every effort to minimize the disruption of normal traffic and parking. Traffic Control Plan shall include temporary traffic control for pedestrian access around the work being performed. Alternative routes shall be provided for pedestrians when work affects existing facilities (e.g. sidewalks, curb ramps, etc.). Multiple curb ramps at single intersection shall not be demolished and/or removed unless an alternative route (detour) is provided.

The Contractor shall post temporary NO PARKING signs as described in the "GENERAL" section of these Special Provisions. Written notice shall be approved by the City of Rio Dell and the City of Rio Dell prior to any posting. It shall be the responsibility of the Contractor to maintain signs and barricades overnight and on weekends and until the completion of the contract. It will be the responsibility of the Contractor to arrange for the towing and removal of any vehicles which have not been removed by the owner and which interfere with any operations

At the end of any working day when work operations have obscured existing traffic striping, the striping shall be restored via reflective painting, markers or other interim materials subject to the approval of the City of Rio Dell.

At the end of each day's work, and at other times when construction operations are suspended, all equipment and other obstructions shall be removed from that portion of roadway open for use by public traffic.

If any component in the traffic control system is displaced, or ceases to operate or function as specified, from any cause, during the progress of the work, the Contractor shall immediately repair said component to its original condition or replace said component and shall restore the component to its original location.

Public Convenience

Contractor shall conduct his operation as to offer the least possible obstruction and inconvenience to the public, and he shall have under construction no greater amount of work than he can prosecute properly with due respect to the rights of the public. The contractor shall notify all affected parties a minimum of two weeks prior to any road or driveway closures.

The Contractor shall provide pedestrian access to buildings at all times to the satisfaction of the City of Rio Dell. The Contractor shall be prepared to remove closures and provide emergency vehicle access at all times. The Contractor will not be entitled to compensation for the delays of work resulting from a closure needing to be opened in order to provide emergency vehicle access.

Personal vehicles of the Contractor's employees shall not be parked on the traveled way or shoulders including sections closed to public traffic.

During approved lane closure using flaggers, all side streets within the closure area shall have flaggers to control traffic. The use of stationary signs to control traffic on side streets within the closure are shall not be permitted.

Detours

Under no circumstances shall traffic on any street be held up more than five minutes per hour at any one time. The contractor may coordinate with property and business owners to schedule work so that longer delays do not adversely affect residents or business owners to their satisfaction. In addition, Contractor shall give personal notice to all affected property owners as specified above under Public Convenience. Before closing any street to through traffic, Contractor shall obtain prior approval from the City of Rio Dell Engineer seven (7) calendar days in advance of closure. Contractor shall at all times provide access to public facilities such as schools, etc. and make provisions for passage of emergency vehicles. Pedestrian detours shall follow the requirements of accessible pedestrian routes per the California MUTCD.

Measurement and Payment

Measurement and payment for this bid item shall be made on a lump sum basis. The contract price shall include full compensation for furnishing all labor (including flagging costs), materials, tools, equipment, and incidentals, and for doing all the work involved including but not limited to: notifications, placing, removing, storing, maintaining, moving to new locations, replacing, and disposing of the components of the traffic control system as shown on the plans, including portable construction area signs, as specified in the Standard Specifications and these Special Provisions, and as directed by the City of Rio Dell's Representative. Payment for temporary traffic control shall be paid for as "Temporary Traffic Control." Partial Payments will be made therefore in accordance with the following:

Percent of Original Contract Amount Earned	Allowable Percentage of Lump Sum Price for the Item
<5%	5%
5%	10%
10%	25%
25%	50%
50%	75%
75%	90%
100%	100% (Contract Acceptance)

3.0 DUST CONTROL

General

Dust control shall conform to the provisions in Section 14-11.04, "Dust Control," of the Standard Specifications and these Special Provisions.

Construction

The following on-site mitigation measures shall be implemented for the duration of clearing and grubbing, demolition, excavation, concrete and paving activities to control dust:

1. Trucks hauling dirt or other loose materials that exceed the top of the sides of the bed shall be covered.
2. A water truck shall be available as needed to prevent a dust nuisance or as directed by the City of Rio Dell's Representative.

This list is not inclusive and Contractor is responsible and liable for controlling dust at all times from all activities in the project area.

Measurement and Payment

Full compensation for conforming to the provisions in this section, not otherwise provided for, shall be considered as included in prices paid for the various contract items of work involved and no additional compensation will be allowed therefor.

4.0 AGGREGATES FOR EARTH WORK

General

This work shall consist of furnishing, grading, and compacting aggregate base for new structural pavement sections on the prepared surface or sub-grade to the lines, grades, and thickness where called for in the plans and these Special Provisions. This work also includes furnishing and placing permeable materials where called for in the plans and these Special Provisions

Materials

Class 2 Aggregate base shall be $\frac{3}{4}$ " maximum base with quality characteristics in conformance with Subsection 26-1.02B of the Standard Specifications. Permeable materials shall be Class 1 Type B material in conformance with Subsection 68-2.02F(2) of the Standard Specifications. The grading shall be as indicated on the plans, or as directed by the City of Rio Dell's Representative.

Construction

Grading shall comply with the requirements of Section 19, "Earthwork", of the Standard Specifications, and these Special Provisions. During any grading operations, the Contractor is specifically directed to Subsection 5-1.36, "Property and Facility Preservation". The Contractor shall protect any items, facilities, or improvements, as necessary, in order to avoid causing damage.

Measurement and Payment

Measurement and payment for aggregates for earthwork shall be made on a cubic yard basis. The full compensation fee for the above provisions will include all of the fees associated with the furnishing of all labor, materials, tools, equipment, transportation, and incidentals; and for performing placement, compaction, and all of the work involved as detailed in the Standard Specifications, these Special Provisions, and the plans.

5.0 ASPHALT CONCRETE SURFACE REPLACEMENT

General

This work shall consist of removing existing asphalt concrete surfacing and necessary underlying base material and replacing the removed material with new asphalt concrete as identified in the field and in conformance with these Special Provisions. The exact limits of asphalt concrete surfacing to be removed and replaced will be determined by the Engineer.

Existing asphalt concrete surfacing and underlying base material removed during a work period shall be replaced before the time the lane is to be opened to public traffic in conformance with the provisions in "Temporary Traffic Control" of these Special Provisions.

Materials

Asphalt concrete shall conform to the provisions for asphalt concrete (1/2 -inch Maximum Medium Type A) in "Hot Mix Asphalt Overlay" of these Special Provisions (except for Measurement and Payment), and Section 39 of the Standard Specifications.

Construction

The limits of the asphalt concrete to be removed shall be in neat, straight lines and as indicated in the field or as determined by the Engineer. The dimensions of the areas to be replaced vary. Areas to be removed will have a minimum width of 4 feet and will be defined in 2 foot increments (e.g. removal widths of 4ft, 6ft, 8ft, etc.) up to the full width of the roadway. Pavement grinder shall be capable of grinding to the minimum width of 4 feet.

The depth of the material removed shall be a minimum of 4 inches. The exposed surface will be inspected by the Engineer to verify that is firm and unyielding.

Prior to placing asphalt on the exposed surface, the surface shall be proof rolled and free of any loose debris (including any remaining layers of asphalt that are less than 1" thick). A tack coat shall be applied to the approved surface and coated along all edges. Following the tack coat, asphalt concrete shall be placed and compacted up to the level of the original surface in lifts no greater than 4 inches thick.

The Contractor shall take particular care to only remove material to the limits specified and without damage to the areas that are to remain. Damage to areas that are to remain in place shall be repaired to a condition satisfactory to the Engineer. Any additional material removed and replaced outside the specified limits (as a result of damage or Contractors of means and methods) shall be at the Contractor's expense.

Removed materials shall be disposed of on non-City property. Contractor shall follow the requirements in Section 5-1.20B(4) "Contractor-Property owner Agreement" of the Standard Specifications.

Measurement and Payment

Asphalt concrete surface replacement will be measured by the cubic yard (TON). The volume to be paid for will be calculated based on the dimensions measured in the field by the engineer. The contract price paid per cubic yard for replace asphalt concrete surfacing shall include full compensation for furnishing all labor, materials (including asphalt concrete), tools, equipment, and incidentals, and for doing all the work involved in removing existing asphalt concrete and necessary base, disposing of material and replacing asphalt concrete surfacing, complete in place, as specified in these specifications, and as directed by the Engineer. Payment for asphalt concrete surface replacement shall be paid for as "Asphalt Patch Repair."

6.0 HOT MIX ASPHALT OVERLAY

General

This work includes producing and placing Hot Mix Asphalt (HMA) using the STANDARD process, in accordance with Section 39 of the Standard Specifications and these Special Provisions. Work to be performed under this Section covers all labor, materials, tools, equipment, transportation and incidentals necessary to construct asphalt concrete pavements. This shall include asphalt concrete surface replacement and asphalt concrete overlays as specified on the Project Location Maps.

Material

All asphalt concrete materials shall be as specified in Section 39, "Hot Mix Asphalt", of the State Standard Specifications; these Special Provisions.

1/2 inch, Type A asphalt concrete mix shall be used and shall not include crumb rubber unless modified by the City's Representative.

The asphalt binder grade shall be PG 64-16 conforming to Section 92, "Asphalts", of the State Standard Specifications.

Tack coat shall be emulsified asphalt Grade RS-1, SS-1, or SS-1h and shall conform to Section 94, "Asphaltic Emulsions", of the State Standard Specifications.

Each delivery ticket shall include information on the material type, binder type, oil content, and the mix design number. Material delivered to the project without such annotations shall be subject to rejection.

Construction

Spread and compact hot mix asphalt in accordance with Section 39 of the Standard Specifications and these Special Provisions, to the thickness specified.

Asphalt pavement shall be installed to maintain or provide positive drainage. The ponding of water in excess of 1/8" will not be allowed. Asphalt pavement placed that results in the ponding of water in excess of 1/8" shall be removed and replaced at Contractors expense.

Prior to placing asphalt, grind all edges to conform and matching existing pavement. Conform grind shall be full width, equal to the thickness of asphalt placed and extend in the direction of travel a minimum of 6'.

Provide tack coat to all vertical surfaces (curbs, gutters, construction joints existing pavements, etc.) against which new asphalt concrete paving is placed. Failure to provide tack coat as required may result in a reduction of payment made for Hot Mix Asphalt.

Smoothness shall be tested using a 12-foot straightedge and shall conform to Section 39 of the Standard Specifications and these special provisions.

Measurement and Payment

Hot Mix Asphalt for overlays will be measured by the mass (TON) as determined from certified weigh tickets delivered to and signed by the City's Representative on site. Asphalt concrete will be paid for at the contract price for asphalt concrete furnished and placed per the lines and grades shown on the Project Location Maps, and shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, conform grinds, repainting of traffic stripes/pavement markings and for doing all the work involved in constructing asphalt concrete, complete in place, as shown on the Project Locations Maps and as specified in the State Standard Specifications and these Special Provisions, and as directed by the City's Representative and no additional compensation will be allowed therefor. Payment for hot mix asphalt overlays shall be paid for as "Asphalt Overlay."

No payment will be made for the correction of deficiencies in construction. No payment will be made for over-run quantities unless pre-approved by City's Representative. The collection and signing of weight tickets shall not either constitute or construe acceptance or approval of over-run quantities.

7.0 STORM DRAIN PIPE AND STRUCTURES

General

This work shall consist of furnishing and installing new storm drain pipe and drainage inlets where called for in the plans and these Special Provisions.

Materials

Prior to ordering storm drainage inlets, catch basins or pipes, Contractor shall pothole to verify depth and location of existing underground utilities which may affect the depth and location of new storm drainage facilities.

HDPE storm drain pipe shall be corrugated HDPE pipe, dual wall, smooth interior wall with annular exterior corrugations and shall conform to the provisions of Section 64, Plastic Pipe of the Standard Specifications. Pipe shall be joined using a bell & spigot joint meeting ASTM F2648. The joint shall be soil-tight and gaskets, when applicable, shall meet the requirements of ASTM F477. Gaskets shall be installed by the pipe manufacturer and covered with a removable wrap to ensure the gasket is free from debris. A joint lubricant supplied by the manufacturer shall be used on the gasket and bell during assembly.

Drainage inlets shall be precast concrete, with minimum 4-inch thick walls, and 6-inch thick bottom or as specified on the plans. Storm Drain Inlets shall conform to the provisions of Section 70 "Miscellaneous Drainage Facilities" and these Special Provisions. Flat grates for Storm Drain Inlets, unless notes otherwise on the plans, shall be galvanized steel, ADA compliant, Bicycle proof, with H-20 loading.

Construction

Excavation and embankment operations shall comply with the requirements of Section 19, "Earthwork", of the Standard Specifications. During any excavation and backfilling operations, the Contractor is specifically directed to "Preservation of Property" of these Special Provisions. The Contractor shall protect any items, facilities, or improvements, as necessary, in order to avoid causing damage.

Place bedding material at trench bottom, level materials in continuous layer. No pipe shall be laid until the trench subgrade and bedding have been inspected and approved. Laying of lines shall begin at the lowest point in the direction of flow. All piping, fittings, and accessories shall be assembled per manufacturer's recommendations. Pipe deflections shall be kept to a minimum, any deflection in piping shall be per manufacturer's requirements. Before lowering pipe into the trench, the pipe shall be inspected. Cracked, chipped, broken, or otherwise defective pipe will be rejected and removed from the job site. Where sewer lines are being crossed, pipelines of 20 foot lengths shall be used with the length centered to provide 10 feet of distance from the sewer line to the nearest joint.

Drainage inlets and other structures shall be placed as shown on the plans. Drainage inlet units shall be installed on a minimum 6" pad of level class II aggregate base. Wall sides to be plumb. Establish elevations and pipe inverts for inlets and outlets as indicated on plans. All penetrations and joints shall be grouted smooth. The catch basin rim elevations shall be installed within the tolerance of +0.00' and -0.10' from the rim elevations shown on the plans. The finish grade around the catch basin inlet must slope to drain storm water into the catch basin, refer to the grading plan. No depressions resulting in the ponding of water will be permitted adjacent to the catch basin grate.

Protect drainage inlet, pipe, and aggregate cover from damage or displacement until backfilling operation is in progress. Take care not to damage or displace installed pipe and joints during construction of pipe supports, backfilling, testing, and other operations. Repair or replace pipe that is damaged or displaced from construction operations.

Connect new pipe to existing storm drain catch basins, manhole or other structures at the locations shown on the plans. Remove only enough material from the existing structure as necessary to accommodate the new pipe. Grout gap around pipe penetration to form a smooth and watertight seal.

Modify existing structures as called for on the plans.

Measurement and Payment

Measurement and payment for Storm Drain Pipe and Structures shall be paid on a unit cost basis as identified in the Bid Schedule and specified below:

- New storm drain pipe required for the completed installation of the storm drainage system will be measured and paid for on a unit basis for the lineal foot of installed, complete and in place storm drain pipe. Payment for new storm piping shall be paid for as "6" Dual Wall HDPE Pipe," and "12" HDPE Pipe."
- Drainage Inlets will be measured and paid on a unit basis for each assembly installed, complete and in place. Payment for new storm drain catch basins shall be paid for as "Drainage Inlet."

The above contract unit cost shall be considered full compensation for laying out the drainage inlets, measuring and evaluating existing or new pipes to determine the final dimensions and alignment, excavation, subgrade preparation, bedding, backfill, aggregate base, compaction, concrete, connection of piping, frames and grates, and site cleanup. This item covers all labor, materials, tools, equipment, transportation, and incidentals; and other expenses to provide a finished product and all of the work involved as detailed in the Standard Specifications, these Special Provisions, and the plans.

8.0 ADJUST WATER METER BOX AND UTILITY VALVE COVER TO GRADE

General

This work shall consist of raising or adjusting existing water meter boxes and utility covers to the finished grade of the resurfaced asphalt pavement or new concrete and shall conform to the provisions in Section 15 "Existing Facilities" of the Standard Specifications, these Special Provisions, the plans, and as directed by the City of Rio Dell's Representative.

Materials

Contractor shall salvage existing utility covers or provide new water meter and utility boxes for all covers to be adjusted as directed by the City of Rio Dell's representative.

New materials shall be in accordance with local standards.

Concrete used to adjust utility covers to grade shall conform to Minor Concrete, of these Special Provisions.

Construction

Unless specifically allowed by the City of Rio Dell's Representative, grade rings shall not be used to adjust utility covers.

The Contractor shall properly locate and mark all existing facilities to be raised in advance of paving operation. The Contractor shall adjust all boxes in advance of concrete operations.

The surface of the adjusted facilities shall be true to the new pavement or concrete surface to within one-eighth (1/8") inch deviation. This tolerance shall apply in a single direction only, either up or down. In addition, the adjusted facility shall not vary to the high tolerance on one side and the low tolerance on the other (i.e., the total aggregate tolerance on both sides shall be limited to the 1/8"-inch variation). This variation shall apply to the adjacent patch paving around the facility as well such that neither the paving nor facility vary by more than the stated tolerances.

Measurement and Payment

Measurement and payment for adjusting Utilities to Grade shall be made on a unit basis for each unit adjusted. The above contract unit cost shall be considered full compensation for furnishing all labor, materials, tools, equipment, transportation, and incidentals; and for performing all of the work involved as detailed in the Standard Specifications, these Special Provisions, and the plans and typical sections. Payment for adjusting utility covers to grade shall be paid for as "Adjust Utility Cover to Grade."

9.0 MINOR CONCRETE

General

Minor Concrete shall conform to the provisions of Section 90-2 "Minor Concrete", Section 73 "Concrete Curbs and Sidewalks", Section 52 "Reinforcement", all of the Standard Specifications, and applicable portions of these Special Provisions. Structural Concrete and structural steel wire reinforcement hooks and bends must also comply with the *Building Code Requirements for Structural Concrete* published by the American Concrete Institute (ACI).

Concrete curbs, gutters, curb ramps, and sidewalks shall conform to Section 73 "Concrete Curbs and Sidewalks" of the Caltrans Standard Specifications.

Materials

Concrete shall be minor concrete conforming to the provisions of Section 90-2 of the Standard Specifications and these Special Provisions.

Admixtures shall comply with the provisions of Section 90-1.02E of the Standard Specifications.

Reinforcement steel shall conform to the provisions in Section 52, "Reinforcement," of the Standard Specifications and these Special Provisions.

Class 2 aggregate base shall conform to Section 26-1.02B of the Standards Specifications.

Drilling and bonding of reinforcement into existing concrete shall conform to the provisions in Section 51-1.03E(3), "Drill and Bond Dowels" of the Standard Specifications and these Special Provisions.

Structural Concrete and structural steel wire reinforcement hooks and bends shall conform with the *Building Code Requirements for Structural Concrete* published by the American Concrete Institute (ACI).

Construction

The Contractor shall protect existing facilities from damage, and discoloration from concrete splash. Adjacent concrete facilities shall be covered during concrete placement to prevent concrete splash and excess concrete from staining the adjacent concrete. After initial placement, strikeoff and finishing, the protection shall be removed and the adjacent concrete cleaned.

After the subgrade is prepared, moisture conditioned, and compacted to the relative compaction shown in the plans, the Contractor shall continuously maintain the subgrade in a uniform condition at the moisture content obtained during subgrade compaction until the concrete is placed.

When new concrete pavement (concrete curbs, gutters, sidewalks, curb ramps, driveways and other concrete pavement) adjoins existing pavement, drill and dowel rebar as shown on the plans, but not less than #4's at 24-inches on-center.

The maximum variation from design elevation shall not exceed +/- 0.02 feet. In some instances, particularly in critical drainage areas, tolerances may be reduced to zero.

Concrete facilities shall be installed to maintain or provide positive drainage. The ponding of water in excess of 1/8" will not be allowed. Concrete placed that results in the ponding of water in excess of 1/8" shall be removed and replaced at Contractors expense. At the City of Rio Dell's request, Contractor shall provide and apply sufficient water to concrete pavement to determine whether pavement provides adequate surface drainage.

Adding water to the surface of the concrete to assist in finishing operations shall not be permitted.

Before final finishing is completed and before the concrete has taken its initial set, the edges shall be carefully finished with the radius shown on the plans or a radius to match the existing construction. Apply medium broom finish transverse to centerline or direction of travel. Final surface shall be slip resistant.

Concrete shall be thoroughly consolidated against and along the faces of all forms and adjacent concrete. After the forms are removed, excess concrete below the form surface shall be removed to be flush with the form face.

The Contractor shall always have materials available to protect the surface of the fresh concrete against rain. These materials shall consist of burlap, curing paper, or plastic sheeting. If plastic sheeting is used, it shall not be allowed to contact finished concrete surfaces.

Concrete shall be cured by protecting it against loss of moisture, rapid temperature change, and mechanical injury. The concrete shall be allowed to cure for 72 hours prior to placing adjacent HMA.

After the concrete is placed, cured, and the forms have been removed, the Contractor shall clean the site of all concrete and forming debris. Any gaps remaining between the new curbs, gutters, driveways, etc.,

shall be filled with full depth HMA. The total thickness of the restored pavement shall match that of the existing pavement.

Concrete smoothness test may be required at the City of Rio Dell's sole discretion. Test and correct both high and low points as determined by a straightedge. A 12-foot straightedge shall be used to determine deficiencies parallel to the direction of travel and shall not exceed 3/8 of an inch. A 4-foot straightedge shall be used to determine deficiencies perpendicular to the direction of travel and shall not exceed 1/4 of an inch. The smoothness test results shall be independent of any grade requirements. Acceptance of smoothness test does not necessarily guarantee final acceptance.

The City of Rio Dell may also test slope conformance with the plans and CBC. Finished slopes will be tested with a 2-foot long digital level. Any work found to not be in conformance with the plans or CBC, shall be replaced at Contractor's expense.

The Contractor shall also protect the concrete against damage from traffic and vandalism. If the concrete is damaged or vandalized, the Contractor shall make the necessary repairs at its own expense. The repair procedure for damaged or vandalized concrete shall be approved in advance by the City of Rio Dell's Representative. Grinding the surface of vandalized concrete will not be considered an approved method of repair.

Curbs (excluding warning curbs), sidewalks and curb ramps shall be backfilled to within 2 inches of finished walking surface grade. The top 3 inches of backfill material shall be loosely compacted import topsoil.

Measurement and Payment

Measurement and payment for minor concrete shall be paid on a unit cost basis as identified in the Bid Schedule and specified below:

- Caltrans A1-6 curbs, sidewalk retaining curbs (excluding curb ramp retaining curbs), and curb and gutter will be measured and paid on a lineal foot basis measured along the top or flowline of curb. Drop curbs and gutter pans adjacent to curb ramps and driveways will be measured and paid as curbs/gutters. Payment shall include incidental items associated with curbs including but, not limited to curb cuts, sawcutting and 12" wide HMA edge patch.
- Sidewalks (including thickened edges), blended transitions (including thickened edges), valley gutters, slabs, and curb ramps (including retaining curbs) will be measured and paid on the square foot basis.

All work shall be performed as shown on the plans and described here. The price paid shall be considered full compensation for furnishing all labor, materials and equipment necessary to complete the work, including but not limited to: layout of forms, earthwork, aggregate base grading and compaction, extending storm drains through sidewalk/curb, concrete and concrete placement and finishing, curing of concrete, striping of forms, site and area cleanup, disposal of waste material and waste concrete, and all other work necessary for completion of minor and structural concrete work. No additional compensation will be allowed therefor.

10.0 TRAFFIC STRIPE, PAVEMENT MARKINGS AND PAVEMENT MARKERS

General

Painted traffic stripes (traffic lines) and pavement markings shall be applied in conformance with the provisions in Section 84-2, "Traffic Stripes and Pavement Markings," of the Standard Specifications and these Special Provisions.

Thermoplastic traffic stripes (traffic lines) and pavement markings shall be applied in conformance with the provisions in Section 84-2, "Traffic Stripes and Pavement Markings," of the Standard Specifications and these Special Provisions.

Pavement markers shall be placed in conformance with the provisions in Section 81-3, "Pavement Markers," of the Standard Specifications and these Special Provisions. Retroreflective pavement markers shall be marked as abrasion resistant on the body of the markers

Material

Thermoplastic material shall be free of lead and chromium, and shall conform to the requirements in State Specification PTH-02ALKYD. Retroreflectivity of the thermoplastic traffic stripes and pavement markings shall conform to the requirements in ASTM Designation: D 6359-99. White thermoplastic traffic stripes and pavement markings shall have a minimum initial retroreflectivity of 250 mcd m lx. Yellow thermoplastic traffic stripes and pavement markings shall have a minimum initial retroreflectivity of 150 mcd m lx.

Preformed melt down thermoplastic striping and markings will not be allowed.

Glass beads comply with section 84-2.02D of the Standard Specifications.

Paint shall comply with section 84-2.02C of the Standard Specifications.

Raised and reflective pavement markers shall comply with Section 81-3 of the Standard Specifications. The specific type to be used shall be consistent with the type generally in use within the local jurisdiction unless directed otherwise by the City of Rio Dell's Representative.

Construction

All construction shall conform to the respective provisions of the Standard Specifications, manufacturer's installation requirements, and these Special Provisions. Where striping joins existing striping, as shown on the plans, the Contractor shall begin and end the transition from the existing striping pattern into or from the new striping pattern a sufficient distance to ensure continuity of the striping pattern. Traffic stripes and pavement markings shall be free of runs, bubbles, craters, drag marks, stretch marks, and debris.

Thermoplastic traffic stripes and pavement markings shall be applied in one (1) coat. Red curb paint shall be applied in two (2) coats. The 1st coat of paint must be dry before applying the 2nd coat.

Measurement and Payment

Measurement and payment for traffic striping and curb paint shall be made at the contract unit price as shown in the Bid Schedule and as specified below, and shall be full compensation furnishing all labor, materials and equipment necessary to complete the work, including but not limited to: establishing alignment for stripes and layout work, placement of temporary tabs, preparation of surface, placing traffic striping, pavement markings, pavement markers, coordination with the City of Rio Dell's Representative, cleanup, and all other work necessary for completion of minor concrete work.

Measurement and payment for thermoplastic traffic stripes shall be made on a linear foot basis measured along the center of each individual stripe type including gaps or dashes. Payment for traffic stripes shall be paid for under the respective payment items for "Thermoplastic Traffic Stripe."

11.0 FINAL CLEAN-UP

General

Before final inspection of the work, the Contractor shall clean the work and all ground occupied in connection with the work, of all rubbish, excess materials (including liquid asphalt), and equipment. The roads and driveways shall be thoroughly swept clean of all dirt, dust and foreign material.

All parts of the work shall be left in neat and presentable condition. All existing landscaped and unpaved areas which are disturbed by construction or earthwork operations shall be returned to original existing conditions

Measurement and Payment

Payment for clean-up in general, shall be considered as included in the unit bid price for other contract items and no additional payment shall be made.

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REVISION	BY	APPROVED	DATE	<p align="center">CITY OF EUREKA Engineering Department</p> <hr/> <p align="center">CITY OF EUREKA STANDARD DRAWING</p> <hr/> <p align="center">Sanitary Sewer Manhole</p>	Approved:		
					 Kurt E. Gierlich, RCE #45721 City Engineer	Date	Detail No. - 17 -
						10/23/08	S-40